

**SITUATION REPORT**  
**CALIFORNIA LIGHT BROWN APPLE MOTH COOPERATIVE ERADICATION PROGRAM**  
 Report reflects totals received by Thursday at noon

Regulatory Weekly Nursery Inspections, Acres and Suspects Found By County																
County	2009 Totals		YTD 2010		This Week ( 8/12/2010 To 8/18/2010)											
	Nursery Insp.	Acres Insp.	Nursery Insp.	Acres Insp.	Nursery Inspections						Suspects					
					Production		Retail		Totals		Larvae		Pupae		Egg	
					Insp.	Acres	Insp.	Acres	Insp.	Acres	Submitted	Positive ID	Submitted	Positive ID	Submitted	Positive ID
Alameda	10	6.4	2	1.2	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Contra Costa	621	679.6	120	205.5	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Los Angeles	70	790.3	8	52.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Marin	269	181.5	70	68.6	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Monterey	2732	13332.6	1588	8113.7	30	168.7	0	0.0	30	168.7	19	1	2	0	0	0
Napa	67	63.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Sacramento	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
San Benito	191	1907.4	111	700.5	1	2.5	0	0.0	1	2.5	0	0	0	0	0	0
San Francisco	226	44.9	159	60.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
San Joaquin	8	1475.5	20	560.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
San Luis Obispo	246	1408.4	403	1498.1	2	8.3	1	0.0	3	8.3	3	0	0	0	0	0
San Mateo	1042	5091.1	214	655.5	1	3.0	0	0.0	1	3.0	6	0	0	0	0	0
Santa Barbara	918	4878.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Santa Clara	577	2869.8	141	3090.2	4	96.5	0	0.0	4	96.5	14	0	0	0	0	0
Santa Cruz	2921	11156.7	1013	5718.2	17	79.0	0	0.0	17	79.0	8	0	0	0	0	0
Solano	112	12.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Sonoma	841	1259.2	569	1131.9	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Yolo	100	2778.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
<b>Grand Total</b>	<b>10951</b>	<b>47935.5</b>	<b>4419</b>	<b>21855.3</b>	<b>55</b>	<b>357.9</b>	<b>1</b>	<b>0.0</b>	<b>56</b>	<b>357.9</b>	<b>50</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
As of 11/19/2009 Immature Life Stages can be rated "A" (Morphological) or "Q" (DNA)																

Regulatory Weekly Commodity Inspections With Acres And Suspects Found By County															
County	2009 Totals			YTD 2010			This Week ( 8/12/2010 To 8/18/2010)								
	Cooler Insp.*	Site Insp.	Acres Insp.	Cooler Insp.*	Site Insp.	Acres Insp.	Commodity Inspections			Suspects					
							Totals			Larvae		Pupae		Egg	
							Cooler**	Site	Acres	Submitted	Positive ID	Submitted	Positive ID	Submitted	Positive ID
Alameda	0	0	0.0	0	1	1.00	0	0	0.00	0	0	0	0	0	0
Contra Costa	0	62	223.0	0	9	486.78	0	0	0.00	0	0	0	0	0	0
Los Angeles	0	2	0.1	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Marin	0	459	449.2	0	39	61.40	0	0	0.00	0	0	0	0	0	0
Monterey	1230	644	50017.2	928	488	45445.19	46	3	1851.19	3	0	0	0	0	0
Napa	0	138	700.6	0	0	0.00	0	0	0.00	0	0	0	0	0	0
San Benito	26	199	2675.5	35	129	1722.00	0	1	1.00	0	0	0	0	0	0
San Francisco	0	0	0.0	0	2	0.00	0	0	0.00	0	0	0	0	0	0
San Joaquin	0	21	252.3	0	8	0.00	0	0	0.00	0	0	0	0	0	0
San Luis Obispo	0	207	1027.4	0	43	199.99	0	1	0.02	0	0	0	0	0	0
San Mateo	0	5	195.0	0	20	75.83	0	0	0.00	0	0	0	0	0	0
Santa Barbara	0	66	395.7	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Santa Clara	0	426	3093.3	0	164	1139.82	0	1	3.00	0	0	0	0	0	0
Santa Cruz	1547	1427	39127.8	859	544	19117.60	32	3	470.60	0	0	0	0	0	0
Solano	0	27	1041.2	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Sonoma	0	2007	7205.1	0	64	118.28	0	0	0.00	0	0	0	0	0	0
Yolo	0	4	30.1	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Grand Total	2803	5694	106433.4	1822	1511	68367.90	78	9	2325.81	3	0	0	0	0	0
*Cooler inspections are considered 100% inspected. As of 11/19/2009 Immature Life Stages can be rated "A" (Morphological) or "Q" (DNA)															

Total Suspect LBAM Larvae/Pupae/Egg		
Collected	#	% of Collected
Larvae/Pupae/Egg Masses	9,801	100.00
Non-Target Specimens	3,503	35.74
Confirmed "Positive"	6,298	64.26
Note: Records without results are not included. Source: ISIS IV		

## Host Plants

This data includes only the 15 most common hosts. 1 PDR number is counted as 1 find. Source: ISIS IV

Scientific Host Name	Common Host Name	# of Repeat Finds
Rubus	Blackberry, Raspberry, Olallieberry	121
Alstroemeria	Peruvian Lily	102
Myrica	Myrica	83
Fragaria	Strawberry	64
Rosa	Rose	62
Ceanothus	Ceanothus	60
Vaccinium	Blueberry	47
Pittosporum	Pittosporum	46
Prunus	Plum, Cherry, Peach, Apricot	38
Leucadendron	Leucadendron	36
Salvia	Sage	35
Rosmarinus officinalis	Rosemary	34
Ribes	Gooseberry	31
Malus	Apple	29
Boronia	Boronia	25
Citrus	Lemon, Lime, Orange	25
Hebe	Hebe	25

## Compliance Agreements Issued to Date

Source: ISIS IV

Total number of sites with Compliance Agreements- includes sites with the same C/A number.	Total Number of (unique) Compliance Agreements Issued			Total Acres under compliance-Active Establishments Only		
(not unique)	Nursery	Commodity	Other	Nursery	Commodity	Other
	1,387	1,696	308	11,460.51	91,602.38	137.91
7,658	Total: 3391			Total: 103200.8		

Source: County Ag. Trappers & LBAM Program Trappers

Report Date 8/19/2010	USDA/CDFA LBAM Traps by Type											
	LBAM Project									CDFA/County		
	Delimitation		Nursery		Survey Traps					County Traps		
	County	Sites	#Traps	Detection	Regulatory	Detection	Cropland	Wilderness	Phenology	High Hazard	Detection	Nursery
Alameda	1	32				18		0		24	56	130
Contra Costa						229		9		238	55	531
Fresno	1	210										210
Los Angeles	1	20		222		102		0	4	4,983		5,331
Marin			22			69		9		0	5	105
Mariposa						52						52
Monterey			54			563		9		20		646
Napa										233	26	259
Sacramento	3	744										744
San Benito			1		20	143				5	13	182
San Diego	1	286								561		847
San Francisco								12				12
San Joaquin	1	41	107			1,086		0		620	150	2,004
San Luis Obispo	1	115		37	42	304				184	44	726
San Mateo			190			25		9				224
Santa Barbara			242		38	507				545		1,332
Santa Clara			155			67		9				231
Santa Cruz			60			114		9				183
Solano	2	119								782	148	1,049
Sonoma										77	32	109
Ventura										547		547
Yolo	5	647	250			695				115	41	1,748
Total Traps	16	2,214	1,081	259	100	3,974	0	66	4	8,934	570	17,202

\* includes post treatment trapping

\*\*Traps being removed

# Detection Trapping Pest Results (Adult LBAM):

Source: CDFA/PHPPS

Date 8/19/2010		Positive Totals by Year/YTD											
County	2007	2008	2009	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10*	Aug-10*	YTD 2010	Total
Alameda	449	2811	43688	437	1004	430	239	32	57	223	74	2496	49444
Contra Costa	152	2144	16278	23	115	81	32	11	20	49	0	331	18905
Fresno	0	0	0	0	0	0	0	0	0	1	0	1	1
Los Angeles	1	0	108	64	37	70	34	25	41	72	30	373	482
Marin	77	941	9542	106	326	98	39	9	2	2	37	619	11179
Monterey	865	5364	18213	330	597	705	634	714	769	1162	337	5248	29690
Napa	2	16	287	5	5	4	12	8	2	7	2	45	350
Sacramento	0	0	0	0	0	0	0	0	0	3	0	3	3
San Benito	0	9	26	1	1	12	4	2	4	15	0	39	74
San Diego	0	0	0	0	0	1	0	0	0	4	2	7	7
San Francisco	4041	17005	60115	102	168	124	107	8	0	25	0	534	81695
San Joaquin	0	0	10	0	2	0	2	0	2	0	0	6	16
San Luis Obispo	1	0	22	0	3	0	0	0	0	0	0	3	26
San Mateo	98	1921	11599	55	270	152	110	9	59	100	6	761	14379
Santa Barbara	0	6	2	0	0	0	0	0	0	0	0	0	8
Santa Clara	22	131	409	15	11	13	24	4	14	5	3	89	651
Santa Cruz	11095	16619	43347	749	1313	1071	1204	838	783	1610	454	8022	79083
Solano	9	23	176	1	12	66	11	2	0	0	1	93	301
Sonoma	0	23	159	24	19	15	6	15	2	1	0	82	264
Ventura	0	0	1	0	0	0	0	0	0	0	0	0	1
Yolo	0	0	8	0	3	2	4	2	0	1	0	12	20
Program Totals	16812	47013	203990	1912	3886	2844	2462	1679	1755	3280	946	18764	286579
* Not all monthly totals have come in- PDR Identification still in progress													

## **Facilities and Program Developments:**

### **RESOURCES MANAGEMENT (revised 8/12/2010)**

#### **Staffing:**

<u>Organization</u>	<u>Total Positions</u>
CDFA (California Department of Food & Agriculture)	11
USDA (United States Department of Agriculture)	24 + 13 SIT
CASS (Cooperative Agricultural Support Services)	34

**Background:** On February 6, 2007, CDFA was informed that Light Brown Apple Moth (LBAM) was first detected in a light trap in Berkeley that is maintained by a University of California Professor Emeritus. The sample was identified by Australian entomologist Dr. Marianne Horak. There were two unofficial detections in this trap, on July 19, 2006 and November 19, 2006. In response to these unofficial detections, delimitation traps were placed in the spring of 2007, in a 2.5 mile radius around this site. The traps were placed in a 100/50/10 trap per square mile array. During the first inspection of these traps, LBAM were detected in Alameda and Contra Costa Counties. In response to these official detections, detection and delimitation trapping continued throughout the Bay Area, with a total to date of seventeen Counties having detections of LBAM. Trapping was extended State-wide, and larval finds were subsequently found in several locations. Following the issuance of a State Interior Quarantine and a Federal Executive Order regulating the affected area, an emergency project was initiated under joint County/CDFA/USDA management operating under Incident Command and based in Salinas, Watsonville, and now Moss Landing. Program components include detection trapping, diagnostics, inspections of commodities and nurseries, regulatory compliance, and treatments. There are currently three program office locations. The operations base is in Moss Landing and there are field work units in San Jose, Albany, West Sacramento, Nipomo, and Long Beach.